

G-1

USSR / Zooparasitology. General Problems.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 90993

Abstract: Acanthocerhalus anguillae) and crustaceans (Caligus lacustris) were found. In regard to its zoogeography the Lake Ladoga Parasitofauna bears a mixed character: paleoarctic species comprise 44.7% (41 species), representatives of the Arctic Sea group - 24.5% (23), the Ponto-Caspian group - 17% (16); parasites of the Atlantic Ocean, brackish-water, sea and relict groups were also represented. The Ponto-Caspian forms are represented chiefly by monogenetic trematodes, the Arctic Sea forms by cestodes and crayfish. Analysis of the parasitofauna of the lake's relict fish confirmed the conclusion of V. A. Dogel that the relicts lose their specific parasites completely or partially and acquire a certain number of non-specific forms.

Card 3/3

USSR / Zooparasitology. General Problems.

G-1

Abs Jour: Ref Zhur-Biol., No 20, 1958, 91006

Author : ~~Bauyer, O. N.~~ Nikol'skaya, N. P.

Inst : The All-Union Scientific Research Institute for
Lake and River Fisheries

Title : The Dynamics of the Parasitic Fauna in the
Ladoga Whitefish and its Epizootiological Signi-
ficance.

Orig Pub: Izv. Vses. n.-i. in-ta oz. i rechn. rybn. kh-va,
1957, 42, 227-242 (res. German)

Abstract: Between May and November, 190 whitefish were
dissected, including 66 adults (4 - and older)
and 124 young specimens (0+ to 3+). The extent
and intensity of the parasitic infection increases
with age. At the age of 3+ and 4+ a change in
the predominant parasitic forms occurs. Infecti

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USSR / Zooparasitology. General Problems.

G-1

Abs Jour: Ref Zhur-Biol., No 20, 1958, 91006

Abstract: by the cestode *Proteocephalus exiguus* grows noticeably weaker. *Echinorhynchus salmonis* and hematode *Cystidicola farionis* contaminations increase sharply, whereby the cestode *Cyathocephalus truncatus* appears. These shifts in the forms are connected with the whitefish's changes in feeding habits. It feeds on plankton crawfish and *Tendipedidae* larvae for the most part during the early years of its life, and later on feeds on back-swimmers. Seasonal changes in the parasitic fauna which have been traced to the second half of the year are weakly expressed in mature whitefish. The pathogenicity of *E. salmonis* which injures the mucous membrane in the lower section of the whitefish's intestine has been demonstrated. -- M. Ye. Morozova

Card 2/2

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USSR

0

Abs Jour : Ref Zhur - Biologiya, No 22, 1958, No 99540

Author : ~~Bauer~~, O.N.

Inst : Leningrad Society of Naturalists.

Title : Parasitic Fauna of the Young of Salmon (Salmosalar)
During Early Stages of Its Development.

Orig Pub : Tr.Leningr.o-va yestestvoispyt. 1957, 73, No.4, 159-163

Abstract : The parasitic fauna of the young of salmon (from 2-3½ months, from 27-41 mm long) bred in floating nurseries in the river Narva near the areas of the natural spawning grounds of the salmon, was investigated. Autopsies were performed, beginning from the 10th day following the stocking of the young fish in the nurseries for a period of 2 months and 1 days. 9 species of parasites were registered, viz., Trichodina megamicronucleata, Ichthyophthirius multifiliis, Chilodonella cyprini, Gyrodactylus sp., Bucephalus polymorphus, Diplostomulum

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USSR

G

Abs Jour : Ref Zhur - Biologiya, No 22, 1958, No 99540

spathaceum, Argulus foliaceus and glochidia of Anodonta sp. and Unio sp. The number of parasitic species and the intensity of invasion by various species increases markedly with the age of the young fish. In the 2-months-old young only Trichodina, glochidia of Anodonta and crawfish were found. In 2½ months-old young I. multifiliis, D. spathaceum and glochidia Unio are added to that list. The young fish at the age of 3-3½ months already have the whole described collection of parasites.--I. B. Raykov

Card 2/2

BAUER, O. N.

Parasites occurring in salmon fingerlings (*Salmo salar*) during their early stages of development [with summary in English]. Trudy Len. ob-va est. 73 no.4:159-163 '57. (MIRA 11:6)

1. Laboratoriya bolezney ryb Vsesoyuznogo nauchno-issledovatel'skogo instituta ozernogo i rechnogo rybnogo khozyaystva.
(Marva River--Parasites) (Parasites--Salmon)

BAUER, O.N.

BAUER, O.N.; IVASIK, V.M.

"A popular course of ichthyopathology" [in Czech]. Reviewed by O.N.
Bauer and V.M. Ivasik. Zool. zhur. 37 no.1:144-146 Ja '58.
(Fishes--Diseases and pests) (MIRA 11:2)

BAUER, O. N.

"Parasitic Diseases of Pelyadi (Coregonus Peled) when Raised in
Bodies of Water in the European Part of the USSR."

Tenth Conference on Parasitological Problems and Diseases with Natural
Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of
Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Lake and River Fisheries (Leningrad)

BAUER, O.N.; USPENSKAYA, A.V.

New remedies for the control of fish diseases. Trudy sov.
Ikht, kom. no.9:21-27 '59. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ozernogo i
rechnogo rybnogo khozyaystva.
(Fishes--Diseases and pests)
(Veterinary materia medica and pharmacy)

BAUER, O.H.; STRELKOV, Yu.A.

Diseases of the young of Baltic salmon under conditions of artificial rearing. Trudy sov.Ikht.kom. no.9:86-90 '59.
(MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozaystva.
(Russia, Northwestern--Salmon--Diseases and pests)

BAUER, O. N.

The effect of parasitic diseases on the quality of fish production and on the population of game fishes. Wiadomosci parazyt. 7 no.2: 165-168 '61.

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i rechnogo khozyaystva, Leningrad.

(PARASITIC DISEASES) (FISH parasitol)

BAUER, O.N.

Influence of parasite diseases on the quality of fish production and the population of fisheries in fresh-water ponds. Wied parazyt 7 no.4/6:808-809 '61.

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i rechnogo khozyaystva.

BAUYER, O.N.

Modern methods for controlling fish diseases in pond fish culture. Trudy sov. Ikht. kom. no.14:196-200 '62. (MIRA 15:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozyaystva (GosNIORKh). (Fishes--Diseases and pests)

BAUYER, O.N.

"A guide to the parasites of freshwater fishes in the U.S.S.R."
Reviewed by O.N. Bauer. Zool. zhur. 43 no.8:1253-1256 '64.
(MIRA 17:11)

USSR/Zooparasitology - Parasitic Worms.

G

Abs Jour : Ref Zhur Biol., No 1, 1959, 977

Author : Baeyer, O.N.

Inst : All-Union Scientific Research Institute of Lake and River
Fishing Industry

Title : Data on Parasites in Fish of the Vitin River

Orig Pub : Izv. Vses. n.-i. in-ta oz. i rech. rybn. kh-va, 1957,
42, 338

Abstract : No abstract.

Card 1/1

- 19 -

KIRPICHNIKOV, V.S.; MOSEVICH, N.A.; PROTASOVA, V.I.; BAUYER, O.N.

Optimum conditions in wintering ponds for the young-of-the-
year common carp, the Amur carp, and their hybrids. Trudy
Gidrobiol. ob-va 10:52-85 '60. (MIRA 13:9)
(Novgorod Province--Fish ponds) (Carp)

BAUER, P.

The needs of industrial efficiency promoters. Sov. profsoiuzy
7 no.16:41 Ag '59. (MIRA 12:12)

1. Predsedatel' pervichnoy organizatsii Vsesoyuznogo obshchestva izobre-
tateley i ratsionalizatorov.
(Novosibirsk Province--Efficiency, Industrial)

L 64380-55

(A)

ACCESSION NR: AP5021635

UR/0286/65/000/013/0119/0119

AUTHORS: Bauer, P. K.; Snirnov, Ye. M.; Bekishev, I. S.; Glukhov, B. A.; Pyatigorskiy, M. M.

TITLE: Working unit of a forced-action concrete mixer. Class 80, No. 172666

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 119

TOPIC TAGS: concrete, concrete mixer, mechanical motion instrument, construction machinery

ABSTRACT: This Author Certificate presents the working unit of a forced-action concrete mixer with an immobile container and a centrally located mixing mechanism (see Fig. 1 on the Enclosure). The mixer contains a guide bar carrying a hinged bracket with a scraper blade and a returning spring. To maintain a constant angle between the scraper blade and the mixed material, the scraper blade is fixed to the bracket and is connected to the guide bar by a rigid connecting rod. Orig. art. has: 1 figure.

ASSOCIATION: Novosibirskiy zavod stroitel'nykh mashin (Novosibirsk Construction Machinery Plant)

SUBMITTED: 01Jul64

NO REF SOV: 000

Cord 1/2

ENCL: 01

OTHER: 000

SUB CODE: IE

L 64380-65

ACCESSION NR: AP5021635

ENCLOSURE: 01

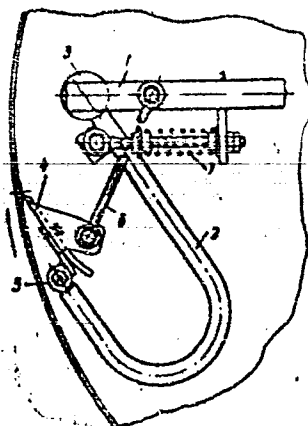


Fig. 1.

1- guide bar; 2- bracket; 3- bracket hinge; 4- scraper blade;
5- blade hinge; 6- rigid connecting rod; 7- returning spring

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Card 2/2

K-6

POLAND/Optics - Luminescence

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 19054

Author : Bauer R., Wrackowiak D.
Inst : Nicholas Copernicus University, Torun, Poland
Title : A Method of Accurate Determination of the Relative Yield of the Fluorescence of Solutions.

Orig Pub : Bull. Acad. polon. sci., 1957, cl. 3, 5, No 7, 729-732

Abstract : The method proposed can be used for the measurement of the yield ratios of fluorescence for one and the same dye in two different solvents or for the determination of the relative yields of two different dyes, if the emission bands lie in neighboring regions of the spectrum. The fluorescent light of solutions, excited by means of monochromatic radiation, the liquid being poured in vessels of identical form and size, is recorded with the aid of a photomultiplier with antimony-caesium photocathode, which can be located in two positions. In the first position one measures the absorption of the investigated solution, the concentration of the standard solution at which

Card : 1/2

POLAND/Physical Chemistry. Crystals.

B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73106.

Author : R. BAKER. A. Bacsynski.

Inst : Academy of Sciences of Poland.

Title : On the Exciting Wave Length Dependence of the
Ratio of the Yields of Phosphorescence and
Fluorescence.

Orig Pub: Bull. Acad. polon. sci. ser. sci. math., astron. et
phys., 1958, 6, No 2, 113-117, VIII.

Abstract: The dependence of the ratio of the phosphores-
cence yield to the fluorescence yield on the wave
length of the exciting light was studied. It is
shown that the probability of the transition
 $F \longrightarrow M$ depends on the wave length of the exciting

Card : 1/2

POLAND/Physical Chemistry. Crystals.

B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73106.

light. That phenomenon is explained by Frank-Cordon potential curves.

Card : 2/2

BAUER, R.; SZCZUREK, T.

Depolarization of fluorescence of dye solutions by thermal motion of the molecules. Acta physica Pol 22 no.1:29-36 J1 '62.

1. Department of Physics, Nicholas Copernicus University, Torun.

COUNTRY : POLAND B
 CATEGORY : Physical Chemistry. Molecule. Chemical Bond.
 Molecular Spectra.
 ABS. JOUR. : RZKhim., No. 1 1960, No.132
 AUTHOR : ~~Bauer, R.~~ Baczynski, A.; Czajkowski, M.
 INST. : Polish AS
 TITLE : Excitation Energy Transfer from Dye Molecules
 in the Metastable State
 ORIG. PUB. : Bull. Acad. polon. sci. Ser. sci. math., astron.
 et phys., 1958, 6, No 10, 653-658, LII
 ABSTRACT : The concentrative depolarization of fluores-
 cence and phosphorescence of acridine yellow
 (I) in boric acid at room temperature was
 studied. The degree of anisotropy of phospho-
 rescence with the growth of concentration of
 I decreases more rapidly than the anisotropy
 of fluorescence, which is ascribed to the exci-
 tation energy transfer from the molecule of I
 in the metastable state. Quantitatively, this

CARD: 1/2

B-3

COUNTRY	:	
CATEGORY	:	B
ABS. JOUR.	:	RZKhim., No. 1 1960, No. 132
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT cont'd	:	phenomenon is satisfactorily explained by Jablonski's theory (RZhKhim., No 21, 1958, No 69764). It was also shown that the correlation of the yield of phosphorescence and fluorescence of I increases with the growth of concentration of I, attains its maximum at the concentration of about $6 \cdot 10^{-4}$ g/g, and then drops again.-- V. Yermolayev
CARD:		2/2

BAUER, Ryszard; ROZWADOWSKI, Mikolaj

Technique of time measurement of the extinction of fluorescence.
Postepy fizyki no.4:379-404 '60.

1. Katedra Fizyki Doswiadczalnej Uniwersytetu Mikolaja Kopernika w
Toruniu.

POLAND/Optics - Luminescence

K-6

Abstr Jour : Ref Zhur - Fizika, No 8, 1958, No 19054

Author : Bauer R., Prackowiak D.

Inst : Nicholas Copernicus University, Torun, Poland

Title : A Method of Accurate Determination of the Relative Yield of the Fluorescence of Solutions.

Orig Pub : Bull. Acad. polon. sci., 1957, cl. 3, 5, No 7, 729-732

Abstract : The method proposed can be used for the measurement of the yield ratios of fluorescence for one and the same dye in two different solvents or for the determination of the relative yields of two different dyes, if the emission bands lie in neighboring regions of the spectrum. The fluorescent light of solutions, excited by means of monochromatic radiation, the liquid being poured in vessels of identical form and size, is recorded with the aid of a photomultiplier with antimony-caesium photocathode, which can be located in two positions. In the first position one measures the absorption of the investigated solution, the concentration of the standard solution at which

Card : 1/2

POLAND/Optics - Luminescence

K-6

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 19054

the absorption becomes equal to the absorption of the investigated solution for a given λ , and the absorption in both pure solvents as well as the intensity of the light leaving the monochromator. In the second position of the photomultiplier one measures the fluorescence of the investigated in standard solutions. A method is given for calculating the corrections that take into account the reabsorption, on the basis of measurement data in the first position of the photomultiplier. Also considered are corrections for scattering and corrections caused by the different degree of polarization of the fluorescence in both solutions.

Card : 2/2

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DYSKIN, V.P.; BAUER, R.G.; DUBTSOV, A.M.; KONYLOV, T.K.

Organization of a thoracic section in the Osh Province
Tuberculosis Dispensary. Sov. zdrav. Kir. no.4/5:104-107
JL-0'63 (MIRA 17:1)

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - prof. Yu.A. Volokh) i Oshskogo oblastnogo tuberkuleznogo dispansera (glavnyy vrach - R.G. Bauer).

L 34338-66 EWP(c)/EWP(v)/T/EWP(k)/EWP(l) IJP(c) WW/JW
ACC NR: AP6026188

SOURCE CODE: CZ/0017/66/055/002/0086/0090

AUTHOR: Prusak, Jan (Engineer); Bauer, Rudolf

ORG: Nuclear Research Institute, CSAV, Rez (Ustav jaderného výzkumu CSAV)

TITLE: Hydrogen and helium indicator and leak detector

SOURCE: Elektrotechnický obzor, v. 55, no. 2, 1966, 86-90

TOPIC TAGS: chemical laboratory apparatus, hydrogen, helium, gas analyzer

ABSTRACT: The article describes an instrument which permits both continuous analysis of the atmosphere and the detection of leakage of equipment in operation, as well as control of individual parts during manufacture and assembly. In its function as analyzer, the sensitivity of the indicator amounts to 5% of the total deviation per 0.1% by volume of H_2 in the atmosphere in the working range from 0 to 4%; in its function as detector, the instruments permit ascertaining a leak through which hydrogen flows at a minimum rate of 10^{-4} torr x l/sec. This paper was presented by Engineer E. Kabrna. Orig. art. has: 8 figures and 1 table. [Based on authors' Eng. abst.]
[JPRS: 35,327]

SUB CODE: 07 / SUBM DATE: 10Nov64 / ORIG REF: 002

Cord 1/1 BLG

UDC: 621.317.799

English, 1902/2/8

Jozso, I.; Pataky, K.; Nagy, J. "Contribution to the study of the history of the church in the 19th century." Cerkevne Zvesti, Bratislava, Vol 6, No 3/4, Mar./Apr. 1952, p1 185

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lit. of Congress

BAUER, S.

Phenylacetylcarbinol. H. I. Jato, K. Haler, and S.
Bauer (VRS, many new forms, a Biochem. Bratislava,
Chem. Zvesti 6, 277-80 (1962). — On long stand-
ing PhCH(OH)Ac forms a mixt. of compds. in which were
identified BaOH and a compd. which is probably 2,4,6-
trioxo-1-methyl-3,5-diphenylcyclohexane. Jan Micks

[Handwritten signature]

BAUER, STEFAN

~~BAUER, S.~~

BAUER, S.

New derivatives of s-triazine group. Stefan Bauer
(Slovenská akad. vied, Bratislava, Czechoslovakia)
Zest. 7, (80-88/1053).--NH₂CN and phenylacetylcarbinol
give, instead of the expected aminonitrile, 2,4,6-tris(α-
methyl-α-aminoo-β-hydroxy-β-phenethyl)-1,3,5-triazine (I).
HNO₃ cleaves I to BzH and 2,4,6-tris(α-hydroxyethyl)-
1,3,5-triazine. Jan Bilek

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BAUER, S. ~~10111111~~
BAUER, S.

(3)^b

The analytical determination of L-phenylacetylcarbinol.
L. Molnár and S. Bauer (Slovenská akad. vied. Bratislava, -
Czech.). *Chem. Zvesti* 7, 280-9, (1963).—It is possible, by
detg. PhCHO (I) in L-phenylacetylcarbinol (II) by the
oscillographic polarographic method for an exact control
of the fermentation process in com. production of II. By the
classical polarographic method the value of raw II can be
detcd. in the presence of I and the amt. of I can be also detd.
Jan. Mická

BAUER-S

chem ✓ A study of L-phenylacetylcarbazol. III. Š. Bauer, J. Chylík, L. Mašler, and S. Országh (Sloven. akad. věd, Bratislava, Czech.). Chem. Zvesti 9, 804-7 (1955); cf. C.A. 48, 8193g.—PhCHAcOH $[\alpha]_D^{25}$ $-157 \pm 3^\circ$ (4% in alc.), reduced over PtO₂ gave optical active HOCHPhCH₂MeOH (II), b. 83-5°, $[\alpha]_D^{25}$ $-21.25 \pm 3^\circ$ (4% in alc.), n_D^{20} 1.5392. I reduced with Al amalgam gave II and PhCH₂Ac, $[\alpha]_D^{25}$ 0° (4% in alc.), n_D^{20} 1.5152. — Jan Micks

DM

Bauer S

by adding 100 mg of an excess of hydroxy-
amine hydrochloride and titrating the liberated HCl
by a potentiometric method.

1. Preparation of a saturated solution of CaCl_2 . Add 5 ml
of a saturated solution of CaCl_2 and titrate potenti-
ometrically against a 0.1 N methanolic solution of NaOH,
with a cellulose cathode and a platinum anode.
An electrometric method of titration.

BAUER, S. (and others)

Some acyl derivatives of hydrazobenzene. p.19. CHEMICAL ZVESTI.
(Slovenska akademie vied a Spolok chemikov na Slovensku) Bratislava.
Vol. 10, no.1, Jan. 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress
Vol. 5, no. 12, December 1956.

BAUER, S.

Origin of the hypotensive effect of Achillea millefolium
S. Bauer, M. M. and S. M. (1954) (German summary) - In 4. modification of collected in
1954 in Fonti, no achillein or any other alkaloid or gly-
coside was found. The only substance having a hypo-
tensive effect was choline, amounting to 0.025% based on
the dry I in M. M.

Bauer, S.
Country : CZECHOSLOVAKIA H-17
Category : Chemical Technology. Pharmaceuticals. Vitamins.
Antibiotics
Abs. Jour : Ref Zhur-Khimiya, No 14, 1959, No 50736
Author : Bauer, S.; Masler, L.; Orszagh, S.
Institute :
Title : Determination for the Ephedrine Content in
Ephedra Distachya L. of the Czechoslovakian
Origin
Orig Pub. : Chem. zvesti, 1956, 10, No 9, 599-600
Abstract : In accordance with the Feng, Ch, T.; Read, B.F.
method (J. Am. Pharm. Assoc., 1927, 16, 1034),
analyses of the above indicated raw material
revealed the presence of 0.05-0.06% of ephed-
rine.--T. Zvarova

Card: 1/1

H-90

Alkaloids in *Yorathum album* var. *bedouin*. I. Isola-
don and separation. J. Tomko, H. Dvořáková, S. Bauer,
and J. Mlýnský (Chem. listy, Slovenská Akad. věd,
Bratislava, Czech.). Chem. zvesti 10, 42-5 (1960) (German
summary). The total alkaloids in *Y. album* var. *bedouin*,
found in eastern Slovakia on "Carbonylke pohorí" were
dried by gravimetric method and found to be 1.39-1.53%
from alkalimetry by the Giff. extn. process, m. 247-8° (lit.
159 ± 3°, was isolated. From glaucolactone by
NaOH extn. after Giff. extn. process, m. 243-244°
lit. 243-244° was isolated. Jan. 1960

CZECHOSLOVAKIA / Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57384.

Author : Bauer S., Masler L., Orszagh S., Mokry J., Tomko J.

Inst : ~~Not~~ given.

Title : Study of the L-Phenylacetylcarbinol. V.

Orig Pub: Chem. zvesti, 1957, 11, No 11, 651-655.

Abstract: Hydroxides of Fe, Ni, and Co, present in L-phenylacetylcarbinol (I) in quantities of 0.1% destroy completely the optical activity of I upon standing at approx. 20°. Addition of the above quantity 0.1% of ethylenediaminetetraacetic acid to I fully protects I from the deactivation that occurs in

Card 1/2

COUNTRY : Czechoslovakia F
CATEGORY : Laboratory Equipment. Instrumentation.
ABS. JOUR. : RZKhim., No. 14, 1958, No. 67798
AUTHOR : Henry, J.; Fomig, J.; Adam, S.; Knapik, I.
1958.
TITLE : New Distribution Procedure in Countercurrent
Flow by O'Keefe's Method in Craig's Apparatus
ORIG. PUB. : Chem. zvesti, 1958, 12, No 6, 382-389
ABSTRACT : Description of a new distribution method in
countercurrent flow of an automatic apparatus of Craig,
consisting of 200 units modified by Metsslem [transliterated
spelling] (RZKhim., 1958, No 14, 39040). In the proposed
procedure a two-side removal of the components being sepa-
rated is possible. Mixtures are separated in the form of
solutions. A formula and a table are given for calculation
of distribution coefficients and of ratio of phase volumes
depending on the number of vessels.

CARD: 1/1

Country : Czechoslovakia
 Category : Organic Chemistry. Synthetic Organic Chemistry
 Abs. Jour. : Ref Zhur-Khimiya, No.12, 1959, No.42383
 Author : Bauer, S., Hasler, L., Orszagh, S., Mokry, J.,*
 Institut. : Not given
 Title : On the Study of 1-Phenylacetylcarbymol. VI.

Orig. Pub. : Chem. zvesti, 1958, 12, No.8, 509-512

Abstract : The presence of $\text{Fe}(\text{OH})_2$ (II). $\text{Ni}(\text{OH})_2$ (III) or $\text{Co}(\text{OH})_2$ (IV) effects the synthesis of 1-ephedrine by means of the hydrogenated amination of 1- $\text{C}_6\text{H}_5\text{CH}(\text{OH})\text{COCH}_3$ (I) in reaction with CH_3NH_2 in the presence of colloid Pt (German Patents 524806; 546459) in the medium $(\text{C}_4\text{H}_9)_2\text{O}$ (2 at): there is an optimum concentration for every hydroxide which accelerates the hydrogenated

* Tonko, J.

Card: 1/2

7
 ✓ Study of 1-phenylacetylcarbinol. VII. Š. Bauer, L. Ma-
 ler, and S. Országh (Slovenská akad. vied a um., Bratislava, Czech.). *Chem. zvesti* 12, 639-41 (1958) (Ger-
 man summary); cf. C.A. 53, 3125f. — 1-PhCH(OH)Ac (I)
 boiled with Ac₂O and acetylated with AcCl in C₆H₆N gives
 the optically active Ac ester, b_p 140-1°, 139-40°, [α]_D²⁰
 -211.8 ± 4° (c 4.1, EtOH), -209.7 ± 4° (c 4, EtOH),
 n_D²⁰ 1.5064, 1.5063. Benzoylation of I with PhCOCl in C₆H₆N
 yields an optically active Bz ester, m. 49-51°, [α]_D²⁰ -145.5
 ± 4° (c 4.6, EtOH). No isomerization occurs during
 esterification of I. An optically active Me ether of I, m.
 107-9°, [α]_D²⁰ -145.54° (c 4.6, EtOH) was also prepd.
 Jarrarick.

du) Distr: 4E2o(j)

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JG

5
 2 May
 1

BAUER, S.; MASLER, L.; ORSZAGH, S.

"Contribution to the study of I-phenylacetylcarbinol."

Chemicke Zvesti. Bratislava, Czechoslovakia. Vol. 12, no. 12, Dec. 1958

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclas

BAUER, S

7
 1-Phenylacetylcarbinol. VIII. S. Bauer, L. Masler and
 S. Orzagh (Slovenská akad. vied, Bratislava, Czech.).
 Chem. zvesti 12, 687-9 (1958) (German summary); cf. C.A.
 53, 10100d. — The occurrence of racemization of optically
 active 1-PhCH(OH)Ac, m. 123-4°, $[\alpha]_D^{25}$ -311.08°, and
 1-1-phenyl-1-methoxy-2-propanone (I), m. 107-9°, $[\alpha]_D^{25}$
 -150.6°, in KOH-MeOH, measured by rotary polarimeter,
 indicates that no enol compd. is formed, and that I does not
 undergo racemization since even after a long time it does
 not lose its optical activity. Jan Miska

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S. BAUER

Colorimetric determination of (-)-phenylacetylcarbinol.
O. Bauerová and S. Bauer (Slovenská akad. vied, chem.
ústav, Bratislava, Czech.). *Chem. Zvesti* 13, 88-92 (1969).
cf. C.A. 54, 15346. Colorimetric detn. of (-)-phenylacet-
ylcarbinol with tetrazolium blue is described. This method
is not affected by the presence of BxH and is suitable for com-
production as a rapid analytical method with the error of
±0.2%. Jan Miska

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Subject: Stojan
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: Dr, Engr

Affiliation: Chemical Institute SAV / Slovenska akademie ved; Slovak Academy of Sciences/ (Chemicky ustav SAV), Bratislava

Source: Bratislava, Nasa Veda, Vol VIII, No 7, 1961, pp 393-395.

Data: "Chemistry of Natural Matters and the Production of Drugs."

GPO 981643

BAUER, S

- [illegible]

SIKL, Dobroslav, inz. C.Sc.; BAUER, Stefan, dr., inz., C.Sc.; MASLER, Ladislav, inz.

Isolation of heart glycosides from the red hellebore (*Helleborus purpurascens* w. A.k.). Part 2: Enzymatic hydrolysis of hellebrin in desglucohellebrin. Chem zvesti 16 no.3:206-209 Mr '62.

1. Ceskoslovenska akademie ved, Chemicky ustav Slovenskej akademie vied, Bratislava. Adresa autorov: Bratislava, Mlynska nivy 37, Chemicky ustav Slovenskej akademie vied).

TCMKO, Jozef, dr., inz., C.Sc.; BENDIK, Ivan, inz.; BAUEROVA, Oldriska, PhMr. ;
~~MOSEY~~, Jozef, inz., C.Sc.; BAUER, Stefan, dr., inz., C.Sc.

Alkaloids in the above-ground part of the snowflake (*Leucojum vernum* L.). Amaryllidaceae. Chem zvesti 15 no. 11/12:839-842 N-D '61.

1. Ceskoslovenska akademie ve, Oddelenie chemie alkaloidov
Chemickeho ustavu Slovenskej akademie vied, Bratislava. Authors'
address: Bratislava, Mlynske nivy 37, Chemicky ustav Slovenskej
akademie vied.

BAUER, S.

3

CZECHOSLOVAKIA

MOKRY, J; KOMPIS, I; SEFCOVIC, P; BAUER, S.

Department of Alkaloidchemistry, Chemical Institute,
Slovak Academy of Science, Bratislava (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 5, 1963, pp 1309-1314

"Alkaloids of Vinca minor L. VI. Vincanorin, its
Isolation, Constitution and a Hypothesis of its
Biogenesis."

MOKRY, J.; KOMPIS, I.; SEFCOVIC, P.; BAUER, S.

Alkaloids from Vinca minor L. Pt. 6. Coll Cz Chem 28
no. 5: 1309-1315 My '63.

1. Abteilung der Alkaloidchemie, Chemisches Institut,
Slowakische Akademie der Wissenschaften, Bratislava.

CSEREP, Albin; MASLER, Ladislav, inz. CSc.; SIKI, Dobroslav, inz. CSc.;
BAUER, Stefan, dr. inz. CSc.

Adonitoxol, a new cardiac flycoside of Adonis vernalis L.
Chem zvesti 18 no.4:273-280 '64

1. Institute of Chemistry, Department of Saccharide Biochemistry
Slovak Academy of Sciences, Bratislava, Dubravska cesta.

TOMKO, J.; BAUER, S.

Alkaloids of Veratrum album subsp. lobelianum (Bernh.) Sussenguth. Pt. 8. Coll. Cz Chem 29 no. 10: 2570-2574 0 '64.

1. Slovak Academy of Sciences, Chemical Institute, Bratislava.

L 7688-66

ACC NR: AP6000909

SOURCE CODE: CZ/0043/65/000/001/0021/0027

AUTHOR: ⁵⁵ ~~Sikl, D.~~ Shikl, D. (Engineer, Candidate of sciences); ⁵⁵ ~~Masler, L.~~ Masler, L. (Engineer, Candidate of sciences); ⁵⁵ ~~Bauer, S.~~ Bauer, Sh. (Engineer, Candidate of sciences) ³²
B

ORG: Department of Biochemistry of Saccharides, ⁵⁵ Chemical Institute, Slovak Academy of Sciences, Bratislava (Chemicky ustav Slovenskej akademie vied, Oddelenie biochemie sacharidov)

TITLE: Polysaccharides of yeast and yeast-like microorganisms. (I). Surface mannites of Candida albicans Berkhout

SOURCE: Chemické zvesti, no. 1, 1965, 21-27

TOPIC TAGS: polysaccharide, biochemistry, yeast, ⁵⁶ plant chemistry

ABSTRACT: [Authors' English summary modified]: From the surface of cellular membranes of pathogenous yeast Candida albicans Berkhout Strain 109, a water-soluble polysaccharide with a degree of polymerization of 36 and a specific rotation $[\alpha]_D = +56^\circ$ was isolated. Methylene esters of D-mannose found in the substance are described; glycerol is the only alcohol found in products of hydrolysis. It was found by means of acid hydrolysis that the mannite has alpha-glycosidic bonds. The investigated substance is

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ACC NR: AP6000909

a branched-chain polysaccharide compound of mannopyranose units bound by α -1,2- and α -1,6- bonds. The authors thank Prof. C.T. Bishop (Division of Applied Biology, National Research Council, Ottawa) for presentation of the specimens 3, 4, 6, -tri-O-methyl-D-mannose and 3, 4-di-O-methyl-D-mannose. The *Candida albicans* were cultivated in the Microbiology Laboratory of our department. Orig. art. has: 1 figure, 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 24Apr64 / ORIG REF: 003 / OTH REF: 017

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L 7711-66 EWA(j)/EMP(j)/EWA(b)-2 RM

ACC NR: AP6000910

SOURCE CODE: CZ/0043/65/000/001/0028/0033

AUTHOR: Bilik, Vojtech (Graduate chemist); Bauer, Stefan (Engineer; Candidate of sciences); Jezo, Ivan-Jezho, I. (Doctor; Engineer; Candidate of sciences); Furdik, Mikulas (Engineer; Professor)

ORG: Department of Biochemistry of Saccharides, Chemical Institute, Slovak Academy of Sciences, Bratislava (Chemicky ustav Slovenskej akademie vied, Oddelenie monosacharidov); Department of Organic Chemistry and Biochemistry, Faculty of Natural Sciences, Comenius University, Bratislava (Katedra organickej chemie a biochemie Prirodovedskej fakulty Univerzity Komenskeho)

TITLE: Separation of O-trimethyl-silyl derivatives and O-methyl derivatives of monosaccharides by gas-liquid chromatography

SOURCE: Chemicke zvesti, no. 1, 1965, 28-33

TOPIC TAGS: carbohydrate, biochemistry, gas chromatography, chemical separation, organosilicon compound

ABSTRACT: The authors describe separation of O-trimethyl silyl derivatives from O-methyl derivatives of monosaccharides by means of gas chromatography. The anchored phase used was a polyester of 1,4-butane diol succinate. They found that elution periods of methyl analogues of trimethyl silyl ethers were a function of the anchored phase and its carrier (silica). Eng. A. Kardosova and P. Suchansky collaborated in the work in the division of gas chromatography. Orig. art. has: 4 graphs, 1 table.

Card 1/2

[JPRS]

L 7711-56

ACC NR: AP6000910

SUB CODE: 06, 07 / SUBM DATE: 20Jul64 / OTH REF: 008

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CZECHOSLOVAKIA

ROSIK, J; ZITKO, V; BAUER, S; KUBALA, J

Institute of Chemistry, Slovak Academy of Sciences,
Bratislava - (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 3, March 1966, pp 1072-1078

"The structural features of cherry-tree gum"
(Prunus avium L. var. juliana L)

(4)

L 33694-66

ACC NR: AP6024211

SOURCE CODE: CZ/0043/65/000/011/0860/0863

AUTHOR: Truchly, J.—Trukhli, Ya.; Bauer, Stefan—Bauer, Sh. (Doctor; Engineer; Candidate of sciences; Bratislava); ŠIKL, Dobroslav—Shikl, D. (Engineer; Candidate of sciences; Bratislava) 20
B

ORG: Chemical Institute, Slovak Academy of Sciences, Bratislava (Chemický ústav Slovenskej akadémie vied)

TITLE: Some derivatives of diethylmercaptopal 2,3:4,5-di-O-isopropylidene-D-galactose

SOURCE: Chemické zvesti, no. 11, 1965, 860-863

TOPIC TAGS: nonmetallic organic derivative, chemical synthesis, chromatography, condensation reaction

ABSTRACT: Preparation of diethylmercaptopal 6-O-methyl-2,3:4,5-di-O-isopropylidene-D-galactose, diethylmercaptopal 6-O-methyl-D-galactose, diethylmercaptopal 6-O-acetyl-2,3:4,5-di-O-isopropylidene-D-galactose, and diethylmercaptopal 6-O-triphenylmethyl-2,3:4,5-di-O-isopropylidene-D-galactose is described. The starting product for their preparation was diethylmercaptopal of the 2,3:4,5-di-O-isopropylidene-D-galactose, which was prepared by chromatography from the condensation product of diethylmercaptopal of D-galactose and acetone in the presence of sulfuric acid. The elementary analysis was performed in the Analytical Section of the Chemical Institute under the direction of Engineer C. Paciar. [JPRS]

SUB CODE: 07 / SUBM DATE: 15 May 65 / ORIG REF: 001 / SOV REF: 002 / OTH REF: 002
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~~Top Secret~~
BAUER, T.

"Classification of Inland Water for the Needs of Hydraulic Engineering",
p. 15, (GOSPODARSTWO WODNE, Vol. 15, No. 1, Jan. 1955, Warsaw, Poland)

SC: Monthly List of East European Accessions, (JML), 10, Vol. 4, No. 5,
May 1955, Encl.

S/276/63/000/002/045/052
A052/A126

AUTHORS: Bauer, Tatibor, and Pivnichka, Vatslav

TITLE: Technological and design advantages of LKP-400 type press for stamping

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 2, 1963, 17, abstract 2V100 (Chekhosl. tyazhelaya prom-st', no. 7, 1962, 26-30)

TEXT: For cold extrusion of steel parts in mass production the 400t LKP-400 press (CSSR) has been designed giving the possibility of working with the rated force on a considerable section of the stroke which makes it possible in one operation to produce parts which on other presses are stamped in 2 operations. The number of strokes is 20/min which at a 50% utilization of the number of strokes enables one to produce about 600 parts per hour. The slide bar stroke is 40mm, the maximum height from the table to the slide bar is 900mm. The press is driven by an electric motor by means of a tex-rope drive on the flywheel mounted on the drawing-in shaft on which a multi-disc clutch and a brake are also arranged. From the drawing-in shaft the

Card 1/2

Technological and design...

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A052/A126

motion is transmitted to the intermediate shaft on which there is a shearing torsional-moment safeguard of the press. The intermediate shaft is connected by means of a gear drive with the eccentric shaft of the press. In the slide bar there is a overload safeguard responding to a 25% overload. The press has an electropneumatic control. The press is furnished with a pump for cooling the tool and with guide blocks controlling its own operation as well as that of devices automating the charging of blanks. The press has a cast built-up frame connected with stretching bolts. The press can operated on single and automatic strokes. The device for charging blanks and removing parts from the press can have an independent drive or be driven by the moving elements of the press. Examples of parts extruded on the press are given: a socket of 75mm external diameter, a ball end with a 62mm ball and various piston pins. There are 10 figures.

A. Zverev

(Abstracter's note: Complete translation.)

Card 2/2

TARABCAK, M.; KRATOCHVIL, I.; BAUER, V.

Laboratory identification of *Escherichia alcalescens*. *Cesk. epidem. mikrob. imun* 8 no.3:173-177 May 59.

1. Krajska hygienicko-epidemiologicka stanica v Kosiciach.
(*ESCHERICHIA*,
alcalescens, laboratory identification (Cs))

BAUER, V.

International Commission on Glass. Staklo. p. SPK36.

KEMIJA U INDUSTRIJI. (Društvo kemičara-technologaNHK) Zagreb, Yugoslavia.
Vol. 8, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1,
Jan. 1960.

Uncl.

BAUER, Venceslav, ing.

Influence of sodium carbonate on the fire-resisting material of glass furnaces. Kem ind 10 no.10:327-328 0 '61.

1. Tvrnica stakla "Straza", Rogatec.

(Sodium carbonates)

KAPELLER, K.; CIAMPOR, F.; STOLCOVA, M.; UHARCEKOVA, M.; BAUER, V.

Lumbar splanchnic nerves in the dog. *Cesk. morf.* 13 no.3:220-227
'65.

1. Institute of Anatomy, Medical Faculty of Komensky University,
Bratislava, Czechoslovakia.

124-58-9-9499D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 6 (USSR)

AUTHOR: Baizer, V. O.

TITLE: A Problem on the Motion of a System Consisting of Two Coaxial Rotors (Zadacha o dvizhenii sistemy dvukh soosnykh rotorov)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Physical-Mathematical Sciences, presented to the MGU (Moscow State University), Moscow, 1958

ASSOCIATION: MGU (Moscow State University), Moscow

1. Mathematics--Applications 2. Rotors--Motion 3. Rotors--Mathematical analysis 4. Mechanics--Theory

Card 1/1

KRATOCHVIL, I.; TARABCAK, M.; BAUER, W.

Epidemiological importance of *Escherichia alkalescens*. Cesk.
epidem. mikrob. imun. 8 no.4:245-250 July 59

1. Krajska hygienicko-epidemiologicka stanica v Kolicich.
(*ESCHERICHIA*, infect.)
(GASTROINTESTINAL SYSTEM, infect.)

BAUER, V.O.

Forced vibrations of a system of coaxial rotors considering
the gyroscopic effect of disks. Proch. 1 din. av. dvig.
no.2:201-254 '65. (MIRA 18:12)

BAUER, YA.

CZECHOSLOVAKIA/Physical Chemistry - Crystals.

B

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 38717

Author : Bauer Ya.

Inst :

Title : Crystallographic Data on Dihydroxybenzoquinones.

Orig Pub : Sb. chekhosl. Khim. zabot, 1957, 22, No 5, 1620-1623

Abstract : Four preparations of 2,5-dihydroxy-1,4-benzoquinone (I) were examined crystallographically (λ Cu-K α), and by X-ray analysis. The materials were crystallized under various conditions, crystals (I) "red form" (II), three samples of 2,5-dimethylhydroxy-1,4-benzoquinone (III) and four samples of potassium salt of 2,5-dihydroxy-1,4-benzoquinone (IV). All four preparations of I are crystallographically identical, the variation in coloration, appearance and the crystal size are due to differences in the crystallization conditions. I is crystallized in monoclinic syngony, II is triclinic.

Card 1/2

CZECHOSLOVAKIA/Physical Chemistry - Crystals.

B.

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 38717

All of the examined preparations of III as well as of IV are identical, the difference being in the appearance of the crystals due to crystallization conditions. Crystals of III and IV are placed into triclinic syngony. The values of the diffraction angles θ , d , are given as well as I lines of the powder diffraction picture.

Card 2/2

BAUEROVA, I. H.

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SEBESTA, K.; ~~BAUEROVA~~, J.; SORM, F.; SORMOVA, Z.

Transformations of uracil analogues in cucumber seedlings. Coll Cz
Chem 25 no.11:2899-2905 N '60. (EEAI 10:6)

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Science, Prague.
(Uracil) (Cucumbers)

BAUEROVA, J.; SEBESTA, K.; SORM, F.; SORMOVA, Z.

The effect of uracil analogues on the metabolism of pyrimidines in
cucumber seedlings. Coll Cz Chem 25 no.11:2906-2912 N '60.
(EEAI 10:6)

1. Institute of Chemistry and Biochemistry, Czechoslovak Academy of
Science, Prague.
(Uracil) (Pyrimidine) (Cucumbers)

SEBESTA, K.; BAUEROVA, J.; MARTINOVIC, B.; SORMOVA, Z.

The effect of light on the utilization of uracil and orotic acid as the precursors of pyrimidine bases of nucleic acids in plants. Coll Cz Chem 29 no. 3:801-806 Mr '64.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague (for all except Martinovic).
2. Institute of Application of Nuclear Energy in Agriculture, Veterinary Medicine, and Forestry, Zemun, Yugoslavia (for Martinovic).

BAUEROVA, J.; SEBESTA, K.; SORMOVA, Z.

Formation of carbon dioxide from the C2 and C6 uracil carbons
in plants influenced by some substituted uracils. Coll Cz
Chem_29 no. 3:807-813 Mr '64.

The relative significance of the uracil and orotic acid pathway
in nucleic acid synthesis during plant growth Ibid.:843-846

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

BAUCEROVA, C.
~~BAUCEROVA, C.~~
BAUCEROVA, C.

CZECH

✓ Synthesis of *dl*-11-methoxycanadine. K. Baboř, O. Baucrovi and J. Jela (Slovenská akad. vied, Bratislava; *Chem. Zvesti* 7, 457-61 (1953)).—*dl*-11-Methoxycanadine (I) was prepd. from 3,4,5-trimethoxyhomophthalic acid and homopiperonylamine through *N*-8-piperonylethyl-3,4,6-trimethoxyhomophthalimide, *N*-8-piperonylethyl-2-carboxymethoxy-3,4,5-trimethoxyphenylacetamide, and 8-hydroxy-11-methoxydehydrocanadine. *m.* 135-6°.

Jan Micka

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TCMKO, Jozef, dr., inz., C.Sc.; BENDIK, Ivan, inz.; BAUEROVA, Oldriska, PhMr. ;
~~NOBY~~, Jozef, inz., C.Sc.; BAUER, Stefan, dr., inz., C.Sc.

Alkaloids in the above-ground part of the snowflake (*Leucojum vernum* L.). Amaryllidaceae. Chem zvesti 15 no. 11/12:839-842 N-D '61.

1. Československa akademie ve, Oddelenie chemie alkaloidov
Chemickeho ustavu Slovenskej akademie vied, Bratislava. Authors'
address: Bratislava, Mlynske nivy 37, Chemicky ustav Slovenskej
akademie vied.

BAUREN/VA, O.; WOLT, J.

Use of lignin as a substance absorbing ultraviolet rays. p. 111.
TECHNICKA PRACA. (Statne nakladatelstvo technickej literatury) Vol.
6, no. 2, Feb. 1954.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

BAUBROVA, C.

BAUBROVA, C.
"Industrial protective grease against ultraviolet radiation." Chemicke Zvesti, Bratislava,
Vol. 8, No. 5, May 1954, p. 289.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

C. BAUERCVII

Colorimetric determination of (-)-phenylacetylcarbinol.
O. Bauerová and S. Bauer (Savská akad. věd, chem.
ústav, Bratislava, Czech.). Chem. Zvesti 13, 88-92 (1969).
C. C. A. 53, 15846. Colorimetric detn. of (-)-phenylacet-
ylcarbinol with tetrazolium blue is described. This method
is not affected by the presence of BaCl and is suitable for com-
production as a rapid analytical method with the error of
±0.2%. Jan Micha-

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BAUKEROVA, O.

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9. "Separation Methods for Natural Products, Part II. Aromatic Diene, Separation and Double Hydrogenation," *J. C.S.B., J. FINE and V. PRO-
CHARD, INDIAN INSTITUTE OF NATURAL PRODUCTS, Madras; pp 032-042*
(English article).

10. Symbiosis Agreement in the Group c⁺ Replicative Alkaloids.
Part XIII. The Oxidation of the Alkylidene Component for the
Synthesis of the Baccatin 3,4,10-Trihydroxy-2,6-Dimethyl-5-
Oxide and 3,4,10-Trihydroxy-2,6-Dimethyl-5-Oxide.
D. RIGBY and L. E. MALL, Research Institute of Pharmacy and Biochem-
istry, Prague; pp 343-355.

11. "Synthesis and properties in the group of hypoxanthine alkaloids. Part XIII. On the synthesis of the Racemic 19:19:21 Analogue of Desoxyadenine," L. ELIAS, B. KILIC and J. "TICKER" of the Research Institute of Pharmacy and Biochemistry, TRAVIA, pp. 571-571.

Synthesis and Properties of Mesoporous Silica, Part I: Isolation of the Sarcosine-Alkoxides, L. JAFFEY, T. ZHANG, C. ALFONSO and D. SHU of the Chemical Institute at the Texas Academy of Sciences, Houston, TX 77058.

3. "On Proteolysis. Part LXVIII. Structure of Peptidic Oxalobis by Peptic Hydrolysis of Chymotrypsinogen," V. EDWARDS, S. ELSON, J. VANCE and J. GOSN of the Institute of Organic Chemistry and Biochemistry, Princeton, pp 662-694 (Academic Press).

4. Cyclic Alcohols or Acyclic ethers, Part II. The structure of hydroxyls and of the alcohols, L. WATSON, J. WATSON, O. WATSON, WATSON, WATSON of the Department of the Ministry of Science, Central Institute of the Normal Academy of Sciences, Geneva, 1903-1904.

3. Thiazole Ioid Compounds and Their Analogues. Part VIII. Synthesis of Anomeric 9-(2-Thioxy-1-dithioxy)-1,3-dioxolans and of Their Substituted Derivatives. J. J. K. STUART and P. JOY: *Q. J. N. J. Trans. of the Chemical Soc. London*, 1959, 137, 1091. (English article)

* A Role on the Inactivation of the Anticardiolipin Activity of
5-Oleoyl-L-α-Glycerophosphate, J. LIPID, J. ALPHAX and J. GOR,
Institute of Organic Chemistry, University of Bucharest, Bucharest, Rou-
mnia; pp 906-907 (English abstract).

Study of the Decapodization of Sodium Potassium Solutions," Journal of the Soviet Institute of Technology, Brasileira, Vol. 11

SUCHY, J.; ZATHURECKY, L.; SOMOSKEGY, G.; MOLNAR, L.; BAUEROVA, O.

Stability of cardenolides of the strophanthidin type in injection solutions. II. Study of the reaction-kinetics of the isomerization of strophanthidin by UV spectrophotometry. Cesk. farm. 12 no.2: 107-111 F '62.

1. CSAV, Chemicky ustav SAV, oddelenie farmakobiodynamiky, Bratislava.
(STROPHANTHIN) (SPECTROPHOTOMETRY) (CHEMISTRY)

CZECHOSLOVAKIA

L. ZATNURICKY, O. BAUEROVA, G. SOMOSKEÖY, L. MOLNAR and S. SUCHY,
Department of Pharmacobiodynamics, Chemical Institute of the Slovak
Academy of Sciences, Czechoslovak Academy of Sciences (oddelenie
farmakobiodynamiky, Chemicky ustav SAV, CSAV) Bratislava.

"Stability of Strophantidine-Type Cardenolides in Injectables. Part 3.
Preparing Stable Injectable Solutions of Helveticoside."

Prague, Ceskoslovenska Farmacie, Vol 12, No 4, May 63; pp 171-177.

Abstract [English summary modified]: Colorimetric and oscillopolarographic
study of isomerization of the lactone ring of 3- β -d-digitoxosestrophantidine
in alkaline medium and paper-chromatographic study of hydrolysis onto
strophantidine and digitoxose in acid medium. Optimal pH of solvent for
preparation of 0.02% solutions is between 5.8 and 7; such can be sterilized
at 100 - 120° C without breakdown of active ingredient. Seven graphs, 6
tables; 3 Czech (1 unpub.) and 7 Western references.

1/1

~~B~~ BAJEROVA, E.

CZECHOSLOVAKIA

J. SUCHY, L. ZATWURCKY, G. SOMOSKY, L. MOLNAR and O. BAJEROVA [Same affiliation as above.]

"Stability of Strophantidine-Type Cardenolides in Injectable Solutions. Part 2. UV Spectrometry of Strophentidin Isomerization Reaction Kinetics."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 107-111.

Abstract [English summary modified]: At alkaline pH, isomerization is specifically catalyzed by OH ions. Table shows times required to bring about decomposition of 10% of strophentidine at pH 8, 9 or 10 and 10, 15, 20, 25, 100 and 120° centigrade. Four tables, 3 graphs, equations; 1 Soviet, 3 Czech, 6 Western references.

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TOMKO, Jozef, dr. inz., C.Sc.; VOTICKY, Zdeno, dr. inz., C.Sc.; PAULIK,
Vladimir, inz.; VASSOVA, Anna, PhMr.; BAUEROVA, Oldriska, PhMr.

Alkaloids from *Buxus sempervirens* L.. Pt.1. Chem zvesti 18
no.10:721-731 '64.

1. Division of Alkaloids of the Institute of Chemistry of the
Slovak Academy of Sciences, Bratislava, Dubravska cesta.

BAUERHOVA, V.; HECKO, I.

Control of microbial purity of food in nurseries and child centers.
Cesk. pediat. 11 no.7:496-502 July 56.

1. Oblastny ustav hygieny v Bratislave, riad. Doc. Dr. P. Macuch.
(ANTISEPSIS AND ASEPSIS,
sterilization of food & utensils for inf. & child. (Gz))
(FOOD,
sterilization of food & utensils for inf. & child. (Gz))

HECKO, I.; BAUEROVA, V.; GORNER, E.

Importance of measures for microbiological purity in infant nutrition. Cesk. pediat. 11 no.7:502-508 July 56.

1. Oblastny ustav hygieny v Bratislave, riad. doc. Dr. P. Macuch.
(ANTISEPSIS AND ASEPSIS,
sterilization of food & utensils in inf. nutrition (Cz))
(INFANT NUTRITION,
same))

*Bauerova
D.
3/11/64*

HECKO, I.; BAUEROVA, V.; GORNER, E.

Importance of measures for microbiological purity in infant nutrition. Cesk. pediat. 11 no.7:502-508 July 56.

1. Oblastny ustav hygieny v Bratislave, riad. doc. Dr. P. Macuch.
(ANTISEPSIS AND ASEPSIS,
sterilization of food & utensils in inf. nutrition (Cz))
(INFANT NUTRITION,
same))

SHORMOVA, Z.; SHORM, P.; BAUTKOVA, Ya.; ZELINKOVA, M.

Stimulating action of 5-bromouracil on higher plants [with English summary in insert] Fiziol.rast. 3 no.3:204-207 My-Je '56.

(MIRA 9:9)

1. Biokhimicheskiye otdeleniye Khimicheskogo instituta Chexoslova-
tskey Akademii nauk, Praga.
(Uracil) (Growth promoting substances)

BAUMROVA, Ya.; SHORM, F.

Certain aspects of arginine metabolism in birds [with German
summary in insert] Biokhimiia 21 no.3:397-402 My-Je '56. (MLRA 9:9)

1. Biokhimicheskoye otdeleniye Khimicheskogo instituta Chexhoslovats-
koy akademii nauk, Praga.
(ARGININE, metabolism,
in birds (Rus))

VANADZINS, Z.; BAUGIS, P., red.; KINCE, M., red.; KOVALOV, V., red.;
MACULEVICA, S., red.; ZVAGUZIS, I., red.; BRIVERS, A., red.

[Soviet Latvia] Padomju Latvija. Sovetskaja Latvija. Riga,
Liesma, 1965. 1 v. (MIRA 18:10)

BAUK, L.B.

Features of editorial work in compiling maps on universal instruments.
Geod. i kart. no.2:54-55 F '63. (MIRA 16:3)
(Cartography)

PRAZIC, Mihajlo, prof., dr; BAUK, Vladimir, dr

Allergic and anaphylactic accidents in penicillin therapy. Med. glas.
15 no.12/12a:434-436 D '61.

1. Otorinolaringoloska klinika Medicinskog fakulteta u Zagrebu (Pred-
stojnik: prof. dr B. Gusic)

(ALLERGY) (PENICILLIN toxicol)

YUGOSLAVIA

BAUK, Dr Vladimir, Ear-Nose-and-Throat Clinic (Otorinolaringoloska Klinika), Faculty of Medicine (Medicinski Fakultet), Zagreb.

"Speech Rehabilitation Following Laryngectomy."

Zagreb, Lijecknicki Vjesnik, Vol 85, No 7, July 1963, pp 729-733.

Abstract: The author describes two procedures for restoring some measure of speech capability to persons whose larynx has been removed by operation. The first procedure, which he terms dynamic-biological, consists of an attempt to restore the anatomical relationships in the hypopharyngeal area so as to compensate at least in part for the rime glottidis mechanism and lasts two to three months. The second procedure, which he terms prothetic-restitutional, is designed for the 15 to 20 percent of patients who cannot be helped through the other procedure and consists of laryngeal vibrators in the form of neckpieces or pipes (e.g., the devices of GUSSENBAUER, GLUCK, and TAPIE; the most modern being TICCHIONI's /affiliations not given/ pipe).

Illustration of TICCHIONI's pipe, five references (Western and Yugoslav).

5 (3)

AUTHORS:

Levina, R. Ya., Kaykaris, P. A.

SOV/79-29-7-28/83

~~Baukh, I.~~, Treshchova, Ye. G.

TITLE:

Synthesis of Hydrocarbons (Sintez uglevodorodov). LXIX. A New General Method of the Synthesis of Dineoalkyls ($C_{10}H_{22}$ - $C_{12}H_{26}$), Dineopentyl and Its Homologs (LXIX. Novyy obshchiy put' sinteza dineoalkilov ($C_{10}H_{22}$ - $C_{12}H_{26}$)-dineopentila i yego gomologov)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 7, pp 2236 - 2240 (USSR)

ABSTRACT:

One of the ethylene hydrocarbons with a quaternary carbon (Refs 1,2), 2,2,5-trimethyl hexene-4 (II) synthesized by the authors already earlier, was obtained by the reaction of primary isoprene hydrobromide with tertiary butyl magnesium chloride (according to Grignard-Wuertz). This compound (II) was used for the synthesis of the difficultly accessible paraffins which have two quaternary carbons separated by two CH_2 groups, i.e. of dineopentyl and its homologs (of the dineoalkyls). Compound (II) was transformed by hydrogen chloride into the saturated tertiary chloride (III), which was caused

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Synthesis of Hydrocarbons. LXIX. A New General Method SOV/79-29-7-28/83
of the Synthesis of Dineoalkyls ($C_{10}H_{22}$ - $C_{12}H_{26}$),
Dineopentyl and Its Homologs

to react with alkyl magnesium bromides in the presence of $HgCl_2$ (Grignard-Wuertz reaction) and led to compound (IV) (Scheme 1). In the reaction of tertiary chloride (III) with alkyl magnesium bromides also side-reactions took place: the separation of HCl from the tertiary chloride (re-formation of the initial-2,2,5-trimethyl hexene-4(50%)), which was then reduced into the 2,2,5-trimethyl hexane (Scheme 2). This mixture of dineoalkyl and the lower boiling trimethyl hexene and trimethyl hexane which is obtained in any case was separated by fractional distillation. The dineoalkyls purified by a further distillation and by methods of chromatography on silica gel resulted in yields of 10-16%, computed for the tertiary chloride (III) used for the reaction. The Raman spectra confirm the presence of quaternary carbon atoms in them. By the method of the "Grignard-Wuertz reaction carried out two times" the authors synthesized the difficultly accessible dineopentyl (2,2,5,5-tetramethyl hexane) and its homologs

Card 2/3

Synthesis of Hydrocarbons. LXIX. A New General Method of the Synthesis of Dineoalkyls ($C_{10}H_{22}$ - $C_{12}H_{26}$),
Dineopentyl and Its Homologs SOV/79-29-7-28/83

$C_{11}H_{24}$ and $C_{12}H_{26}$, 2,2,5,5-tetramethyl heptane, 2,2,5,5-tetramethyl octane, and 2,2,5,5,6-pentamethyl heptane which have hitherto not been described. There are 1 table and 12 references, 3 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: June 27, 1958

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